

(PREVIEW)

## *Indian Standard*

# SPECIFICATION FOR ELECTRONIC WEIGHING SYSTEMS

## PART III REQUIREMENTS

### 0. FOREWORD

**0.1** This Indian Standard (Part III) was adopted by the Indian Standards Institution on 9 April 1981, after the draft finalized by the Electronic Measuring Equipment Sectional Committee had been approved by the Electronics and Telecommunication Division Council,

**0.2** It has been decided to prepare specification for electronic weighing systems in the following four parts:

- Part I Terms and definitions
- Part II Methods of measurements
- Part III Requirements
- Part IV Code of practice

**0.3** This standard covers the requirements for electronic weighing system. An electronic weighing system comprises the basic electrical load cell employed to sense the applied load/force and the associated electronic measuring equipment employed to indicate, display or record the mass. For the sake of clarity and convenience, the requirements have been specified for electrical load cells and the total weighing systems separately.

**0.4** This standard does not cover the requirements for electronic weighing systems used for industrial process measurements.

**0.5** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS: 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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\*Rules for rounding off numerical values (*revised*).